



D0 Status Report

1 / 9 / 2006

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Data Taking for 12/19 – 12/25



Day	Delivered	Recorded	Eff.	Comments
12/19 (Mon)	1.99 pb ⁻¹	1.80 pb ⁻¹	90 %	13 min downtime due to crate x1f.
12/20 (Tue)	2.54 pb ⁻¹	2.27 pb ⁻¹	90 %	25 min downtime due to Cal rack trip in the platform.
12/21 (Wed)	3.41 pb ⁻¹	3.05 pb ⁻¹	89 %	Controlled access to replace the leaking radiator. Cal crate problems. Switched to b-physics triggers. 40 min downtime due to Muon crates x34 and x35.
12/22 (Thu)	3.01 pb ⁻¹	2.66 pb ⁻¹	88 %	Controlled access to swap Cal motherboards. 10 min downtime due to x1f. 15 min downtime due to SMT crate x62.
12/23 (Fri)	2.39 pb ⁻¹	2.22 pb ⁻¹	93 %	
12/24 (Sat)	3.89 pb ⁻¹	3.46 pb ⁻¹	89 %	30 min downtime due to PDT 222 problems. 1 hour downtime due to muon crate x34.
12/25 (Sun)	2.20 pb ⁻¹	1.86 pb ⁻¹	84 %	90 min downtime due to DAQ problem. Controlled access to fix PDT 222. L1 muon PS trip.
12/19–12/25	19.46 pb ⁻¹	17.33 pb ⁻¹	89 %	



Data Taking for 12/26 – 1 / 1



Day	Delivered	Recorded	Eff.	Comments
12/26 (Mon)	2.95 pb ⁻¹	2.06 pb ⁻¹	70 %	Controlled access to swap L1 muon PS. Controlled access to re-install L1 muon cable. Lost forward muon PS. 1 hour downtime due to crate x31.
12/27 (Tue)	3.62 pb ⁻¹	3.29 pb ⁻¹	90 %	Controlled access to repair the forward muon PS.
12/28 (Wed)	2.89 pb ⁻¹	2.46 pb ⁻¹	85 %	Controlled access to replace a CTT board. High pbar halo at the beginning of store 4571.
12/29 (Thu)	3.27 pb ⁻¹	3.10 pb ⁻¹	95 %	
12/30 (Fri)	3.97 pb ⁻¹	3.56 pb ⁻¹	91 %	25 min downtime due to L2 crate x22.
12/31 (Sat)	3.06 pb ⁻¹	2.86 pb ⁻¹	93 %	
1 / 1 (Sun)	3.44 pb ⁻¹	3.20 pb ⁻¹	93 %	12 min downtime due to CFT x52.

12/26–1 / 1	23.20 pb ⁻¹	20.53 pb ⁻¹	88 %	Run II best.
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Data Taking for 1 / 2 – 1 / 8



Day	Delivered	Recorded	Eff.	Comments
1 / 2 (Mon)	4.59 pb ⁻¹	4.12 pb ⁻¹	90 %	Run II best.
1 / 3 (Tue)	1.16 pb ⁻¹	1.09 pb ⁻¹	94 %	Controlled access to install a prototype AFE2 board in a hot-spare slot.
1 / 4 (Wed)	0 pb ⁻¹	0 pb ⁻¹		FPD tunnel access to work on A2 PS and LVDT read back problems. Controlled access to install scope probes on the Cal crates.
1 / 5 (Thu)	0 pb ⁻¹	0 pb ⁻¹		Controlled access to replace a Cal daughter card. Controlled access to work on a Cal hot tower.
1 / 6 (Fri)	4.50 pb ⁻¹	3.92 pb ⁻¹	87 %	Intermittent 1553 problems for 2 hours with PDT 240.
1 / 7 (Sat)	2.85 pb ⁻¹	2.56 pb ⁻¹	90 %	Controlled access to work on PDT 240 and to move the scope probes.
1 / 8 (Sun)	2.72 pb ⁻¹	2.47 pb ⁻¹	91 %	17 min downtime due to CTT crate x13. OPS PC rebooted due to auto update. Controlled access to power-cycle the Cal scope.
1 / 2-1 / 8	15.82 pb ⁻¹	14.16 pb ⁻¹	90 %	



Notable Events



- 12/20 (Tue)
 - Cal crate tripped due to water leak alarm on the platform.
- 12/21 (Wed)
 - Controlled access to replace the leaking radiator.
 - Cal crate problem creating a hole in the readout.
 - Switched to b-physics triggers.
- 12/22 (Thu)
 - Controlled access to swap Cal motherboards.
- 12/24 (Sat)
 - 30 min downtime due to PDT 222 problems.
 - 1 hour downtime due to muon crate x34 problems.



Notable Events



- 12/25 (Sun)
 - Controlled access to fix PDT 222.
 - Power supplies for L1 muon crate tripped.
 - Ran without L1 muon.
- 12/26 (Mon)
 - Controlled access to swap L1 muon power supplies.
 - Another controlled access to re-install a L1 muon cable.
 - Lost a Forward muon power supply.
 - 1 hour downtime due to difficulties in disabling the affected crate.
- 12/28 (Wed)
 - Controlled access to replace a CTT board with a stuck bit.
 - High pbar halo rates at the beginning of store 4571.



Notable Events



- 1 / 3 (Tue)
 - Controlled access to install a prototype AFE2 board in a hot-spare slot.
- 1 / 4 (Wed)
 - FPD tunnel access to work on A2 power supplies and noisy LVDT read back.
 - Swapped PS modules and replaced fuses for A2.
 - LVDT read back problem for one pot investigated, but not fully resolved.
 - Controlled access to install scope probes on the Cal crates.
 - Hunting the source of occasional Cal noise that fires Cal trigger.
- 1 / 5 (Thu)
 - Controlled access to replace a Cal daughter card.
 - Controlled access to work on a Cal hot tower.



Notable Events



- 1 / 6 (Fri)
 - Intermittent 1553 problems for 2 hours with PDT 240.
 - PDT 240 disabled.
- 1 / 7 (Sat)
 - Controlled access to work on PDT 240 and move the scope probes for Cal noise hunt.
- 1 / 8 (Sun)
 - OPS PC that controls the magnets (Solenoid and Toroid) and cryo rebooted by the auto-update of the software patches.
 - Controlled access to power-cycle the Cal scope.

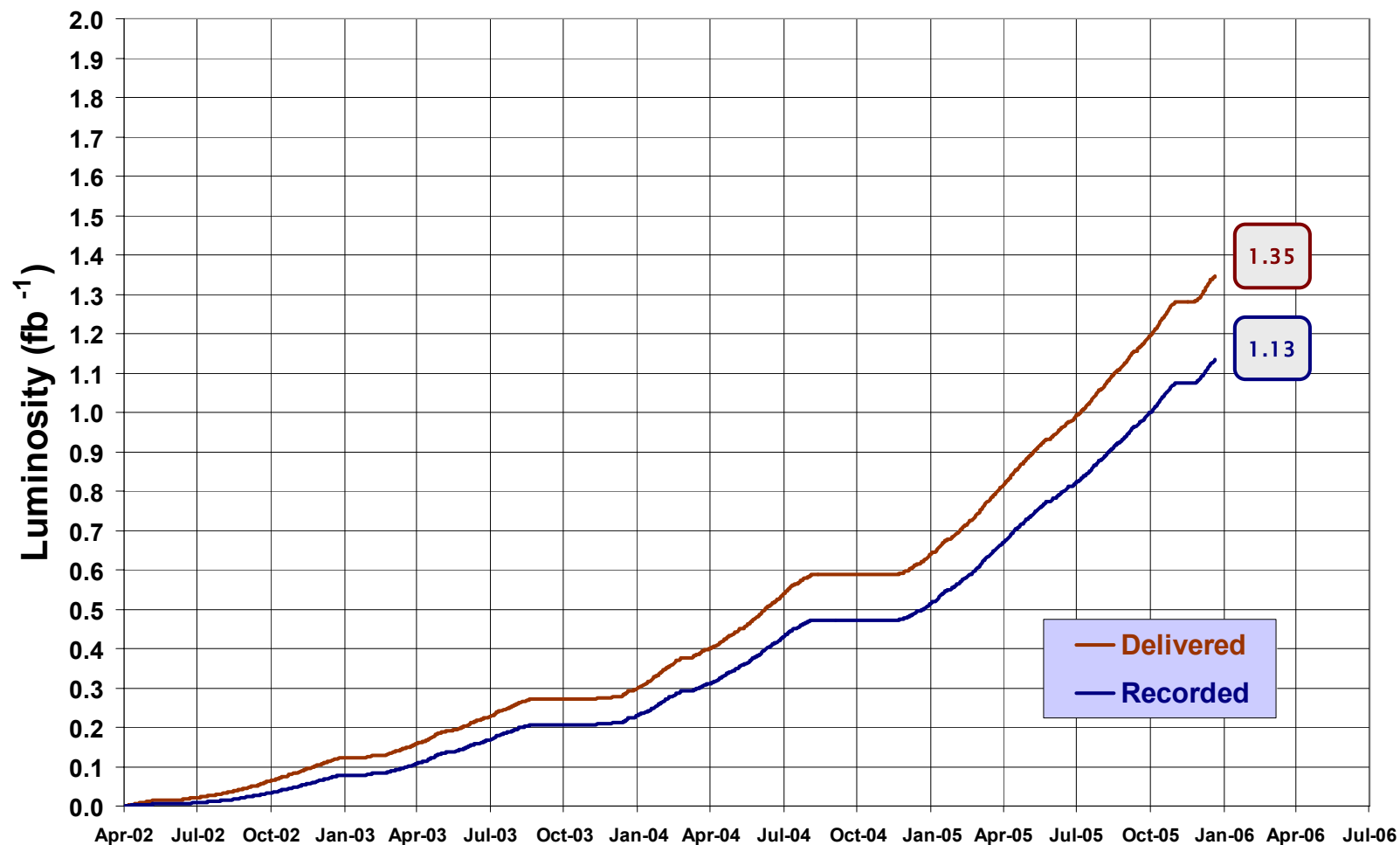
Happy new year!

Thank AD for promptly accommodating access requests over holidays.



Run II Integrated Luminosity

19 April 2002 - 8 January 2006



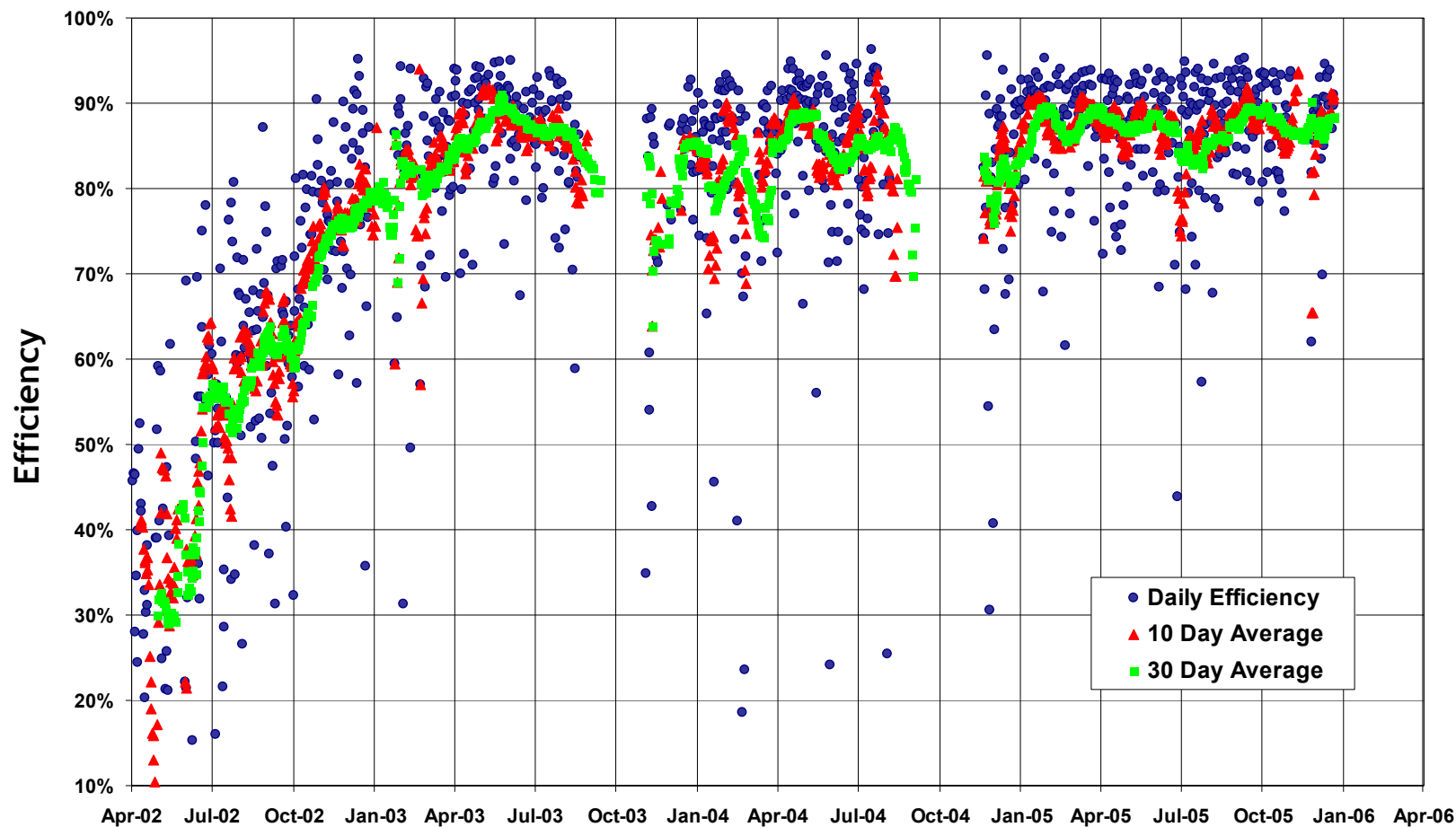
9 January 2006

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Daily Data Taking Efficiency

19 April 2002 - 8 January 2006



9 January 2006

T. Yasuda, Fermilab